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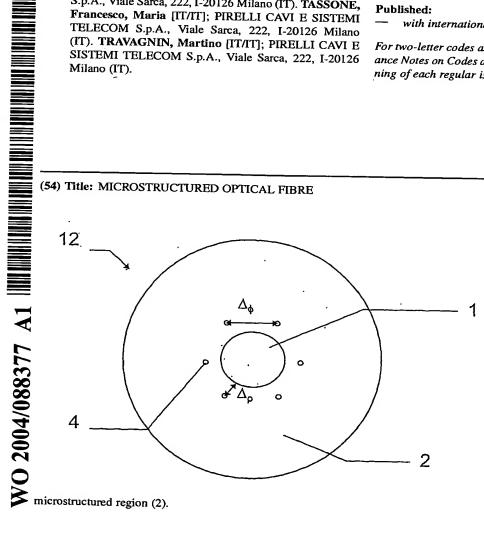
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(54) Title: MICROSTRUCTURED OPTICAL FIBRE



(57) Abstract: Microstructured optical fibre (12) comprising a core region (1) with a material having a refractive index nco and a microstructured region (2), surrounding the core region (1), with a background material having a refractive index n<sub>m</sub> which is lower than the refractive index neo, the microstructured region (2) comprising a plurality of microstructures (4) having a refractive index different from the refractive index n<sub>m</sub>, wherein the distance ? p between the centres of any couple of adjacent microstructures (4) is at least equal to about  $\lambda_p$  and not higher than about  $1.5\lambda_p$ , wherein  $\lambda_p$  is the spatial variation length of the electric field intensity in the